

## San Francisco Regional Office

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**RECEIVED****Clayton**

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ENVIRONMENTAL  
CONSULTANTS

CALIFORNIA REGIONAL WATER  
 QUALITY CONTROL BOARD  
 LOS ANGELES REGION

January 25, 2000

Mr. Jimmie Woo  
 LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD  
 320 West 4th Street, Suite 200  
 Los Angeles, California 90013

Clayton Project No. 70-00302.00

Subject: **4<sup>th</sup> Quarter 1999 – Groundwater Monitoring Results**  
 Los Nietos Business Center  
 9120-9160 South Norwalk Boulevard  
 11925-11933 East Los Nietos Road  
 Santa Fe Springs, California  
 SLIC Case No. 883

CLUE NO. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 STAFF \_\_\_\_\_  
 REPORT TYPE:  
 SUR \_\_\_\_\_  
 WORK PLAN \_\_\_\_\_  
 MONITORING \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 DATE REV'D. \_\_\_\_\_  
 STAFF INITIAL \_\_\_\_\_

Dear Mr. Woo:

Clayton Environmental Consultants, a division of Clayton Group Services, Inc. (Clayton), is pleased to submit this report on the groundwater sampling at the above-referenced subject property (Figure 1). Clayton sampled the six onsite wells as requested by the Los Angeles Regional Water Quality Control Board (RWQCB), in Rebecca Chou's letter dated November 8, 1999.

**Background**

Five groundwater monitoring wells were installed by Applied Geoscience in 1995. In September 1999, Clayton installed one additional monitoring well (MW-6) to a depth of 58 feet along the northern boundary of the subject property. Sampling of the groundwater by Fugro West in 1996 and most recently, in 1999 by Clayton indicates that volatile organic compounds (VOCs) and metals in the groundwater beneath the subject property are most likely originating from an offsite, upgradient source or sources. The RWQCB has required groundwater monitoring at the subject property for three consecutive quarters to prove this assumption. This round of sampling is the first of the three quarterly sampling rounds required by the RWQCB.

**Field Activities**

All of the monitoring wells on the subject property were purged and sampled on December 29, 1999, by Clayton Geologist David Randall, following RWQCB standards. Prior to sampling, well depth and water levels were measured. Groundwater samples were stored in a chest cooled with ice and transported under chain of custody to a state-certified laboratory.

Mr. Jimmie Woo  
Los Angeles Regional Water Quality Control Board  
SLIC Case No. 883  
4<sup>th</sup> Quarter 1999

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### **Hydrology**

Based on groundwater level measurements and well survey data (Table 1, attached), the direction of groundwater flow under the subject property was calculated to be to the west-southwest. Refer to Figure 2 – Groundwater Elevations. Data collected by others and reviewed by Clayton confirms that the direction of groundwater flow at and around the subject property has historically ranged from south-southwest to west-southwest.

Monitoring well MW6 was installed in September 1999 to a depth of 58 feet bgs. However, Clayton measured the total depth of the well in December 1999 at 47.85 feet bgs. It appears that approximately 10 feet of sediment has accumulated in the well, which did not allow accurate measurement of the groundwater level, and therefore, data from MW6 was not included in groundwater flow direction calculations.

Clayton intends to redevelop and purge the well to remove sediment buildup prior to the next round of sampling.

### **Laboratory Analyses**

Groundwater samples were transported to American Scientific Laboratories, LLC (a state-certified laboratory). The samples were analyzed for VOCs using USEPA Method 8260 and Title 22 Metals. The samples for metals analyses were filtered through a 0.45-micron filter prior to analysis and preservation.

Various VOCs and metals were detected in groundwater samples collected from the six onsite monitoring wells, as indicated in Tables 2 and 3, attached. Concentrations of VOCs and metals detected on the subject property were fairly consistent with recent sampling rounds, with the exceptions of MW1 and MW3, both located at the upgradient edge of the subject property. MW1 showed increased concentrations of 1,1-dichloroethane (1,1-DCA), 1,1-DCE, 1,2-dichloropropane (1,2-DCP), 1,1,1-trichloroethane (1,1,1-TCA), and trichloroethylene (TCE). Tetrachloroethylene (PCE), TCE, 1,1-DCA and 1,1-DCE were detected in well MW-3. These analytes were not detected in MW3 during Clayton's two previous sampling events in July and September 1999.

Well MW2, located downgradient of MW1, also showed increased concentrations of 1,1-DCA, 1,2-dichloroethane (1,2-DCA), and 1,1 DCE.

Methyl tert butyl ether (MTBE) was not detected in any of the groundwater samples. Groundwater samples were not analyzed for hexavalent chromium, as requested by the RWQCB. Samples collected during the next round of sampling (March 2000) will be analyzed for hexavalent chromium.

Mr. Jimmie Woo  
Los Angeles Regional Water Quality Control Board  
SLIC Case No. 883  
4<sup>th</sup> Quarter 1999

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January 25, 2000

Groundwater sampling results for VOCs are attached and are depicted on Figure 3a – Groundwater Sampling Results-VOCs. Groundwater sampling results for metals are attached and are depicted on Figure 3b – Groundwater Sampling Results-Metals. Certified laboratory reports are attached.

### **Summary and Conclusions**

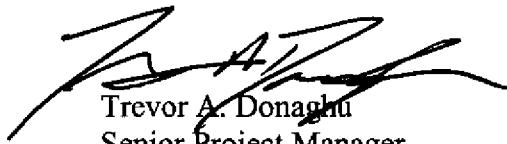
- Groundwater under the subject property flows to the west-southwest; depth to water ranges from 50.4 to 58.05 feet bgs (excluding well MW-6). It appears that approximately 10 feet of sediment has accumulated in well MW-6.
- Groundwater under the subject property is contaminated with various VOCs (including PCE, TCE, 1,2-DCA, and 1,1-DCE) and metals (including selenium, thallium, and chromium) above California Maximum Contaminant Levels (CA MCLs). Concentrations of VOCs and metals detected on the subject property were fairly consistent with recent sampling rounds, with the exceptions of increased VOCs in wells MW-1, MW-2, and MW-3.
- Concentrations of 1,1-DCA, 1,1-DCE, 1,2-dichloropropane 1,2-DCP, 1,1,1-TCA, and TCE significantly increased in well MW-1, located at the upgradient edge of the subject property. Concentrations of 1,1-DCA and 1,1-DCE have also increased in well MW-2, located downgradient of MW-1, indicating that these compounds are most likely moving across the subject property.
- PCE, TCE, 1,1-DCA and 1,1-DCE were detected in well MW-3, located at the upgradient edge of the subject property. These analytes were not detected in this well during Clayton's two previous sampling events in July and September 1999.
- Concentrations of PCE, TCE, and metals detected in wells MW-1 and MW-3, located at the upgradient edge of the subject property, suggest that concentrations of VOCs and metals have migrated onto the subject property from one or more offsite sources. This suggestion is further supported by previous groundwater sampling events, and by Clayton's reviews of agency files, which have indicated several upgradient sites where VOCs and metals exist at elevated levels in groundwater. The VOCs detected in groundwater at the subject property have also been detected in groundwater at upgradient sites. Refer to Clayton's *Additional Monitoring Well Installation, Groundwater Sampling, and File Reviews* report (September 1999).

Mr. Jimmie Woo  
Los Angeles Regional Water Quality Control Board  
SLIC Case No. 883  
4<sup>th</sup> Quarter 1999

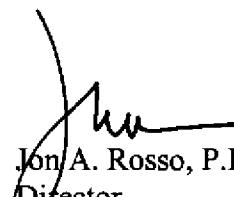
Page 4  
Project 70-00302.00  
January 25, 2000

Please contact Trevor Donaghu at (925) 426-2625 or Rick Fehler at (925) 426-2608 with any questions. Thank you in advance for your assistance and consideration.

Sincerely,



Trevor A. Donaghu  
Senior Project Manager  
Real Estate and Financial Services



Jon A. Rosso, P.E.  
Director  
Environmental Risk Management and Remediation  
San Francisco Regional Office

**Attachments**

1. Tables
2. Figures
3. Analytical Laboratory Reports

cc: Vera Ingram, Archon Group, L.P.  
Rick Fehler, Vice President, Clayton Environmental Consultants  
Steve Campbell, AMB

**ATTACHMENT 1**

**TABLES**

**Table 1**  
**Groundwater Elevations**  
**December 1999**

	<b>Top of Casing</b>	<b>Depth of Well<sup>1</sup></b>	<b>Depth To Water<sup>1</sup></b>	<b>GW Elevation<sup>2</sup></b>	<b>Water Column Height<sup>3</sup></b>
<b>MW1</b>	150.42	68.45	51.05	99.37	17.4
<b>MW2</b>	153.99	66.25	56.72	97.27	9.53
<b>MW3</b>	149.98	68.15	50.4	99.58	17.75
<b>MW4</b>	149.94	68.2	51.54	98.4	16.66
<b>MW5</b>	155.22	65.95	58.05	97.17	7.9
<b>MW6</b>	156.03	47.85	47.45	108.58	0.4

**Notes**

- 1. Measured in feet from the top of the well casing
- 2. In feet above mean sea level
- 3. In feet

**Table 2**  
**Volatile Organic Compounds in Groundwater**  
**December 1999**  
All results are in micrograms per liter

Well	Date	CTC	Chloroform	1,1-DCA	1,2-DCA	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	1,2-DCP	PCE	1,1,1-TCA	TCE
MW1	April 1996	ND	0.61	21	ND	11	ND	ND	ND	6.3	4.2	32
	July 1999	ND	ND	2.6	ND	18.6	ND	ND	ND	11.8	ND	11.3
	September 13, 1999	ND	1.4	3.4	ND	25.6	ND	ND	ND	11.4	1.9	10.9
	December 29, 1999	ND	12.0	61.0	ND	1030.0	ND	12.0	172.0	ND	29.0	151.0
MW2	April 1996	ND	0.91	ND	ND	1.1	ND	ND	--	15.0	ND	7.7
	July 1999	ND	1.0	2.2	6.8	ND	ND	1.4	--	10.1	ND	5.5
	September 13, 1999	ND	ND	4.6	6.2	2.5	ND	2.3	--	15.9	ND	7.7
	December 29, 1999	1.2	7.3	11.4	13.8	6.9	ND	3.7	ND	15.4	ND	18.9
MW3	April 1, 1996	ND	ND	ND	ND	ND	ND	ND	--	1.4	ND	2.6
	July 1, 1999	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	September 13, 1999	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	December 29, 1999	ND	ND	3.8	ND	4.9	ND	ND	ND	2.3	ND	3.2
MW4	April 1996	5.1	15.0	33.0	17.0	13.0	0.51	10.0	--	18.0	ND	74.0
	July 1999	ND	2.4	3.0	ND	1.6	ND	ND	--	8.7	ND	12.2
	September 13, 1999	ND	4.4	4.3	3.9	3.1	ND	1.1	--	17.5	ND	13.2
	December 29, 1999	ND	7.2	4.7	2.3	3.2	ND	1.0	ND	11.1	ND	12.7
MW5	April 1996	ND	0.76	ND	ND	ND	ND	ND	--	82.0	ND	78.0
	July 1999	ND	ND	ND	ND	2.1	ND	ND	--	73.8	ND	5.0
	September 13, 1999	ND	ND	ND	ND	2.0	ND	ND	--	81.1	ND	4.8
	December 29, 1999	ND	ND	ND	ND	2.1	ND	ND	ND	89.5	ND	8.3
MW6	September 13, 1999	ND	ND	ND	ND	ND	1.9	ND	--	68.2	ND	6.9
	December 29, 1999	ND	ND	ND	ND	2.0	ND	ND	ND	70.3	ND	12.9
<b>CA MCL</b>		0.5	100.0	5.0	0.5	6.0	--	6.0		5.0	200.0	5.0

**Notes**

CTC = Carbon tetrachloride	trans-1,2-DCE = trans-1,2-dichloroethene	1,1,1-TCA = 1,1,1-trichloroethane
1,1-DCA = 1,1-dichloroethane	cis-1,2-DCE = cis-1,2-dichloroethene	trichlorethene = TCE
1,2-DCA = 1,2-dichloroethane	1,2-DCP = 1,2-dichloropropane	CA MCL = California Maximum Contaminant Limit
1,1-DCE = 1,1-dichloroethylene	PCE = tetrachloroethylene	

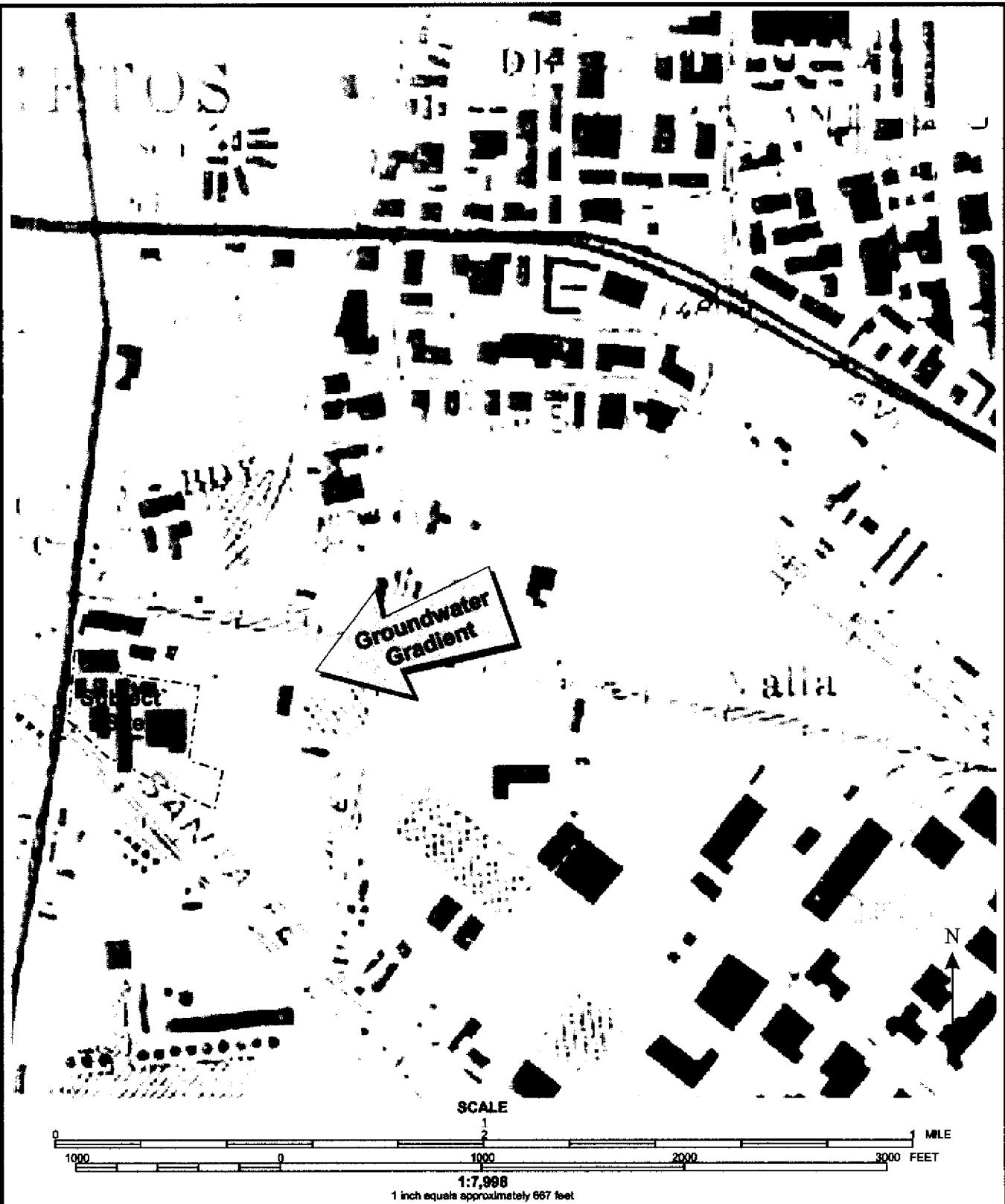
**Table 3**  
**Metals in Groundwater**  
**December 1999**

All results are in milligrams per liter

Well	Date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
MW1	April 1996	ND	ND	0.200	ND	ND	0.047	ND	ND	ND	ND	ND	ND	0.013	ND	ND	0.120	0.069
	July 1999	ND	ND	0.051	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015	ND	ND	ND	0.065
	September 13, 1999	ND	ND	0.058	ND	ND	ND	ND	ND	ND	ND	ND	0.014	0.068	ND	0.150	ND	0.055
	December 29, 1999	ND	ND	0.059	ND	0.021	ND	ND	ND	ND	ND	ND	0.017	ND	ND	ND	ND	ND
MW2	April 1996	ND	ND	0.110	ND	ND	0.070	ND	ND	ND	0.00068	ND	ND	ND	ND	ND	0.120	ND
	July 1999	ND	ND	0.045	ND	ND	0.027	ND	ND	ND	ND	ND	ND	0.018	ND	0.019	ND	0.103
	September 13, 1999	ND	ND	0.037	ND	ND	0.024	ND	ND	ND	ND	ND	ND	0.071	ND	0.162	ND	0.096
	December 29, 1999	ND	ND	0.043	ND	ND	0.188	ND	0.020	ND	ND	ND	ND	0.016	ND	ND	ND	0.015
MW3	April 1, 1996	ND	ND	0.094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.120	ND
	July 1, 1999	ND	ND	0.107	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.014	ND	ND	ND	0.091
	September 13, 1999	ND	ND	0.096	ND	ND	ND	ND	ND	ND	ND	ND	0.016	0.083	ND	0.176	ND	0.052
	December 29, 1999	ND	ND	0.072	ND	ND	0.011	ND	0.019	ND	ND	ND	0.012	ND	ND	ND	ND	0.012
MW4	April 1996	ND	ND	0.096	ND	0.062	ND	ND	0.062	ND	0.0016	ND	0.150	ND	0.064	ND	0.160	0.660
	July 1999	ND	ND	0.057	ND	ND	0.036	ND	ND	ND	ND	ND	0.014	0.015	ND	0.015	ND	0.097
	September 13, 1999	ND	ND	0.037	ND	ND	0.163	ND	0.160	ND	ND	ND	0.020	0.056	ND	0.143	ND	0.231
	December 29, 1999	ND	ND	0.031	ND	ND	0.606	ND	0.020	0.009	ND	ND	0.130	ND	ND	ND	ND	0.065
MW5	April 1996	ND	ND	0.062	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	July 1999	ND	ND	0.047	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.020	ND	ND	ND	0.058
	September 13, 1999	ND	ND	0.058	ND	ND	0.013	ND	ND	ND	ND	ND	0.014	0.065	ND	0.141	ND	ND
	December 29, 1999	ND	ND	0.044	ND	ND	ND	ND	ND	0.008	ND	ND	0.013	0.013	ND	ND	ND	ND
MW6	September 13, 1999	ND	ND	0.040	ND	ND	ND	ND	ND	ND	ND	0.016	0.056	ND	ND	0.128	ND	ND
	December 29, 1999	ND	ND	0.041	ND	ND	ND	ND	ND	0.008	ND	ND	0.012	ND	ND	ND	ND	ND
<b>CA MCL</b>				<b>1.000</b>			<b>0.050</b>		<b>1.300</b>	<b>--</b>			<b>0.150</b>	<b>0.050</b>		<b>0.002</b>		<b>5.000</b>

**ATTACHMENT 2**

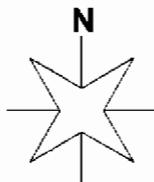
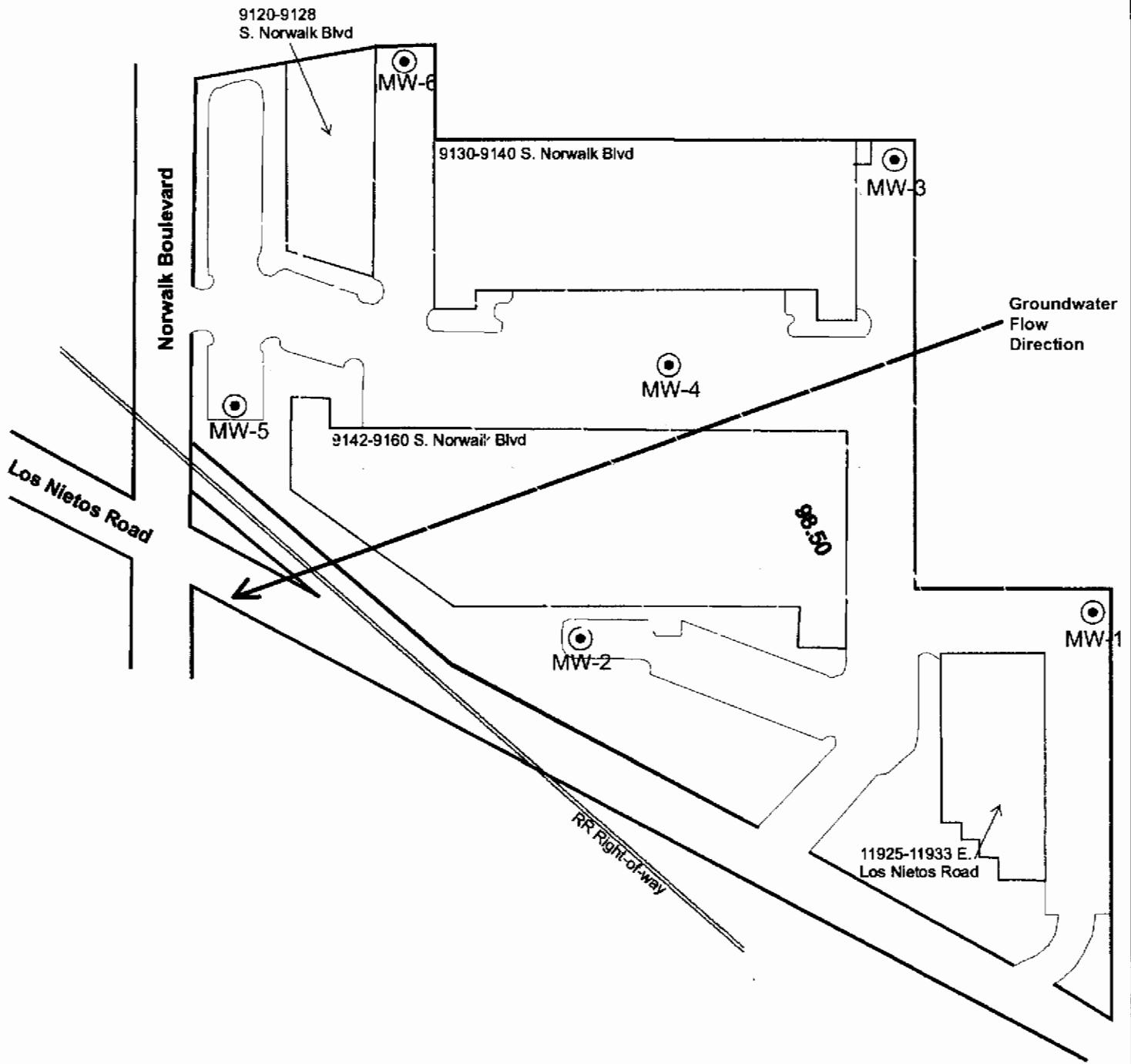
**FIGURES**



#### SOURCES

Base map: United States Geological Survey, 1963, *Santa Fe Springs Quadrangle, California* -  
Los Angeles County 7.5-Minute Series (Topographic); photorevised 1981; original scale 1:24,000.

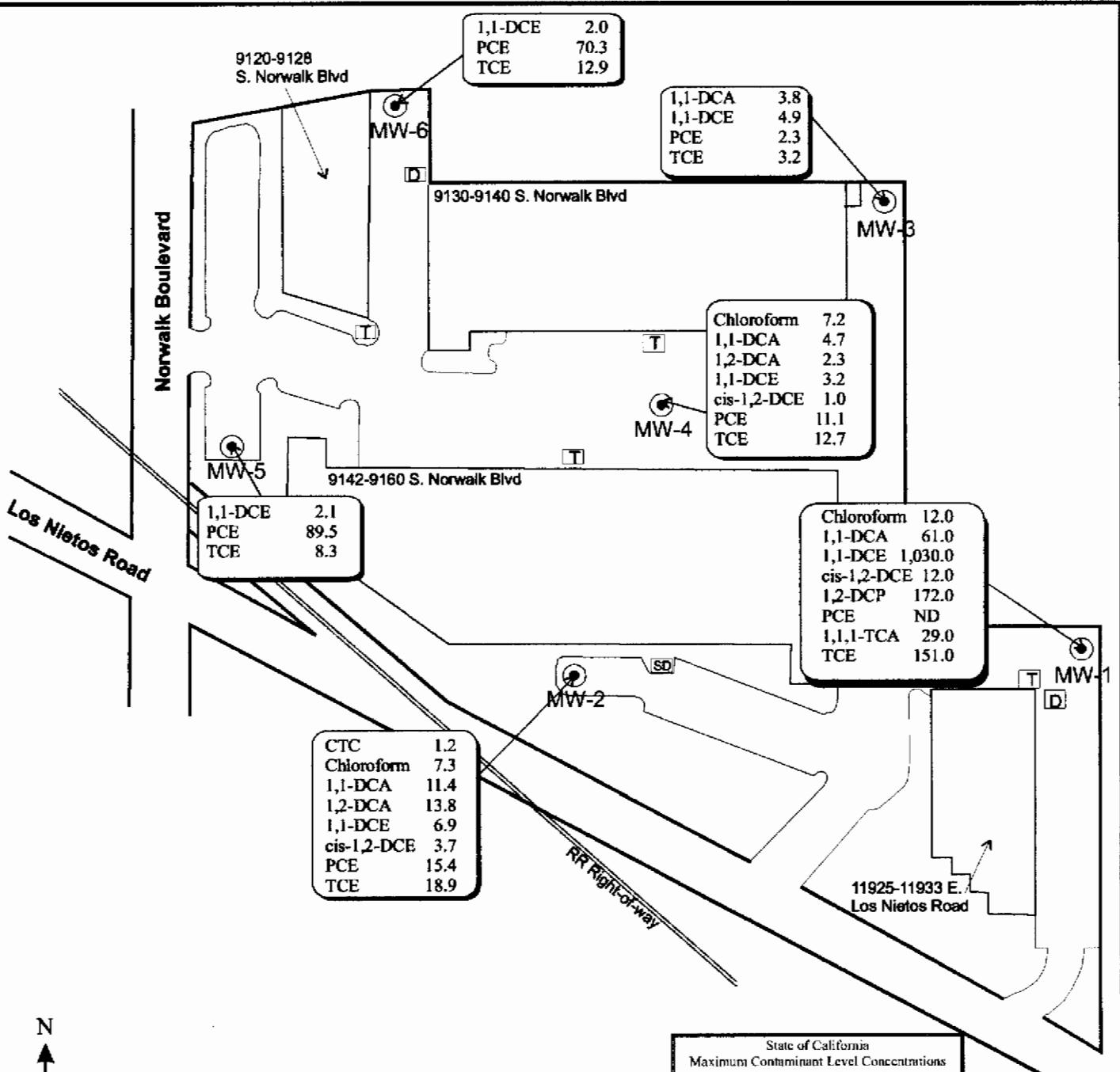
LEGEND	Site Location Map	FIGURE	Clayton ENVIRONMENTAL CONSULTANTS
<input type="checkbox"/> Subject Site	<p>Los Nietos Business Center 9120-9160 South Norwalk Boulevard Santa Fe Springs, California Client: Archon Group Clayton Project No. 70-00302.00</p>	1	



Groundwater elevations in feet above mean sea level

Groundwater elevations are based on measurements collected on December 29, 1999.

LEGEND	GROUNDWATER ELEVATIONS	FIGURE	Clayton ENVIRONMENTAL CONSULTANTS
<input checked="" type="checkbox"/> SD Storm Drain <input checked="" type="checkbox"/> D Dumpster Enclosure <input type="checkbox"/> T Transformer <input checked="" type="checkbox"/> Monitoring Well	<b>Los Nietos Business Center</b> 9120-9160 South Norwalk Boulevard Santa Fe Springs, California  Client: Archon Group Clayton Project No. 70-00302.00	2	



N

NOT TO SCALE

All reported concentrations are from groundwater samples collected by Clayton on December 29, 1999

Concentrations are reported in parts per billion (ppb)

State of California Maximum Contaminant Level Concentrations micrograms per liter (µg/l)			
Volatile Organic Compounds	Metals		
CTC	0.5	As	100
Chloroform	100	Ba	1,000
1,1-DCA	5.0	Cd	5
1,2-DCA	0.5	Cr	50
1,1-DCE	6.0	Cu	1,300
1,2-DCE	N/A	Pb	15
cis-1,2-DCE	6.0	Mo	N/A
Methylene Chloride	N/A	Ni	100
1,2-DCP	5.0	Sc	50
PCE	5.0	Tl	2
1,1,1-TCA	200	V	N/A
TCE	5.0	Zn	5,000

#### LEGEND

- SD Storm Drain
- D Dumpster Enclosure
- T Transformer
- Monitoring Well

#### DECEMBER 1999 - VOCs IN GROUNDWATER

Los Nietos Business Center  
9120-9160 South Norwalk Boulevard  
Santa Fe Springs, California

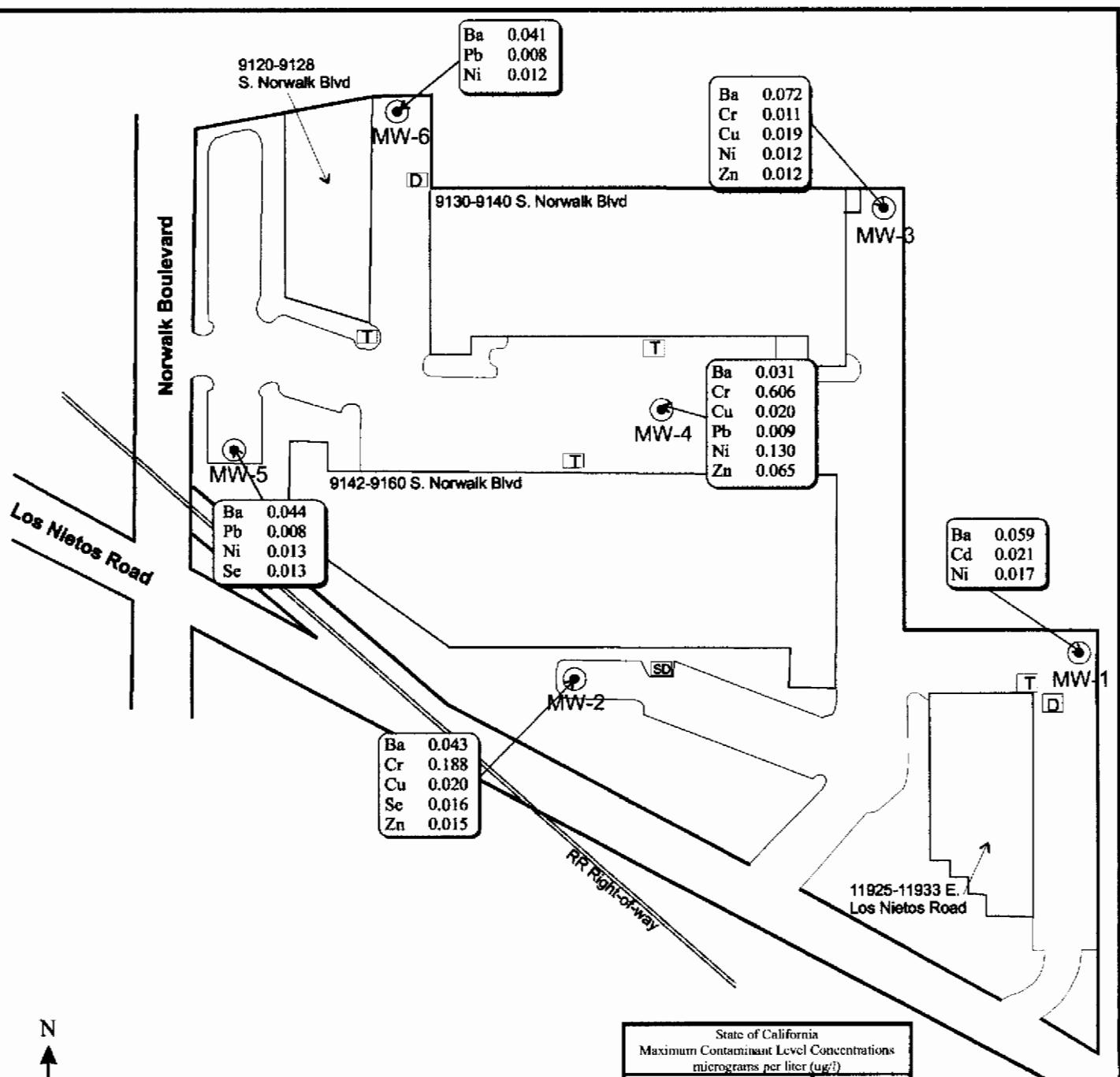
Client: Archon Group  
Clayton Project No. 70-00302.00

#### FIGURE

3a

**Clayton**

ENVIRONMENTAL  
CONSULTANTS



N

NOT TO  
SCALE

All reported concentrations are from  
groundwater samples collected by Clayton  
on December 29, 1999

Concentrations are reported in parts per million (ppm)

State of California Maximum Contaminant Level Concentrations micrograms per liter (ug/l)		
Volatile Organic Compounds	Metals	
CTC	0.5	Ag 100
Chloroform	100	Ba 1,000
1,1-DCA	5.0	Cd 5
1,2-DCA	0.5	Cr 50
1,1-DCE	6.0	Cu 1,300
1,2-DCE	N/A	Pb 15
cis-1,2-DCE	6.0	Mo N/A
Methylene Chloride	N/A	Ni 100
1,2-DCP	5.0	Sc 50
PCE	5.0	Tl 2
1,1,1-TCA	200	V N/A
TCE	5.0	Zn 5,000

#### LEGEND

#### DECEMBER 1999 - METALS IN GROUNDWATER

#### FIGURE

**Clayton**

ENVIRONMENTAL  
CONSULTANTS

- [SD] Storm Drain
- [D] Dumpster Enclosure
- [T] Transformer
- (●) Monitoring Well

Los Nietos Business Center  
9120-9160 South Norwalk Boulevard  
Santa Fe Springs, California  
  
Client: Archon Group  
Clayton Project No. 70-00302.00

**3b**

**ATTACHMENT 3**  
**ANALYTICAL LABORATORY REPORTS**



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**Ordered By**

Clayton Environmental Consultants  
3611 S. Harbor Blvd. Suite 260  
Santa Ana, CA 92704

Number of Pages 20

Date Received 12/29/1999

Date Reported 01/10/2000

Telephone (714) 431-4100  
Attn George Wissig

Job Number	Submitted	Client
6929	12/29/1999	CLAYTN

Project ID: 70-00302.00

Project Name: Los Nietos Business Center

Enclosed are the results of analyses on 8 water samples analyzed as specified on attached chain of custody.

Wendy Lu

Wendy Lu  
Organics Supervisor

Robert G. Araghi  
Laboratory Director



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

**Ordered By**

Clayton Environmental Consultants  
 3611 S. Harbor Blvd. Suite 260  
 Santa Ana, CA 92704

Telephone: (714)431-4100

Attn: George Wissig

Page: 2

Project ID: 70-00302.00

Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

Method: 6010B/7470A, CCR Title 22 Metals

Our Lab I.D.		45221	45222	45223	45224	45225
Sample ID		MW-6	MW-5	MW-4	MW-2	MW-1
Date Sampled		12/29/1999	12/29/1999	12/29/1999	12/29/1999	12/29/1999
Date Extracted		01/05/2000	01/05/2000	01/05/2000	01/05/2000	01/05/2000
Preparation Method						
Date Analyzed		01/05/2000	01/05/2000	01/05/2000	01/05/2000	01/05/2000
Matrix		Water	Water	Water	Water	Water
Units		mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
AA Metals						
Mercury	0.002	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.010	ND	ND	ND	ND	ND
Arsenic	0.010	ND	ND	ND	ND	ND
Barium	0.010	0.041	0.044	0.031	0.043	0.059
Beryllium	0.010	ND	ND	ND	ND	ND
Cadmium	0.010	ND	ND	ND	ND	ND
Chromium	0.010	ND	ND	0.606	0.168	0.021
Cobalt	0.010	ND	ND	ND	ND	ND
Copper	0.010	ND	ND	0.020	0.020	ND
Lead	0.005	0.008	0.008	0.009	ND	ND
Molybdenum	0.010	ND	ND	ND	ND	ND
Nickel	0.010	0.012	0.013	0.130	ND	0.017
Selenium	0.010	ND	0.013	ND	0.016	ND
Silver	0.010	ND	ND	ND	ND	ND
Thallium	0.010	ND	ND	ND	ND	ND

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

Page: 3  
 Project ID: 70-00302.00  
 Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

Method: 6010B/7470A, CCR Title 22 Metals

Our Lab I.D.		45221	45222	45223	45224	45225
Sample ID		MW-6	MW-5	MW-4	MW-2	MW-1
Date Sampled		12/29/1999	12/29/1999	12/29/1999	12/29/1999	12/29/1999
Date Extracted		01/05/2000	01/05/2000	01/05/2000	01/05/2000	01/05/2000
Preparation Method						
Date Analyzed		01/05/2000	01/05/2000	01/05/2000	01/05/2000	01/05/2000
Matrix		Water	Water	Water	Water	Water
Units		mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results	Results	Results
ICP Metals						
Vanadium	0.010	ND	ND	ND	ND	ND
Zinc	0.010	ND	ND	0.065	0.015	ND

**QUALITY CONTROL REPORT**

Batch No: 0105

Analytes	LCS % REC	LCS/LCSO % Limit						
AA Metals								
Mercury	100	80-120						
ICP Metals								
Antimony	82	80-120						
Arsenic	86	80-120						
Barium	87	80-120						
Beryllium	91	80-120						
Cadmium	89	80-120						
Chromium	86	80-120						
Cobalt	96	80-120						
Copper	89	80-120						
Lead	91	80-120						
Molybdenum	80	80-120						
Nickel	92	80-120						
Selenium	90	80-120						
Silver	85	80-120						

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

Page: 4

Project ID: 70-00302.00

Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

Method: 6010B/7470A, CCR Title 22 Metals

**QUALITY CONTROL REPORT**

Batch No: 0105

Analytes	LCS % REC	LCS/LCSD % Limit									
ICP Metals											
Thallium	98	80-120									
Vanadium	88	80-120									
Zinc	96	80-120									

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

**Ordered By**

Clayton Environmental Consultants  
 3611 S. Harbor Blvd. Suite 260  
 Santa Ana, CA 92704

Telephone: (714)431-4100

Attn: George Wissig

Page: 5

Project ID: 70-00302.00

Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

Method: 6010B/7470A, CCR Title 22 Metals

Our Lab I.D.		45226	45227		
Sample ID		MW-3	MW-3-FD		
Date Sampled		12/29/1999	12/29/1999		
Date Extracted		01/05/2000	01/05/2000		
Preparation Method					
Date Analyzed		01/05/2000	01/05/2000		
Matrix		Water	Water		
Units		mg/L	mg/L		
Detection Limit Multiplier		1	1		
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
<b>AA Metals</b>					
Mercury	0.002	ND	ND		
ICP Metals					
Antimony	0.010	ND	ND		
Arsenic	0.010	ND	ND		
Barium	0.010	0.072	0.072		
Beryllium	0.010	ND	ND		
Cadmium	0.010	ND	ND		
Chromium	0.010	0.011	0.011		
Cobalt	0.010	ND	ND		
Copper	0.010	0.019	0.017		
Lead	0.005	ND	ND		
Molybdenum	0.010	ND	ND		
Nickel	0.010	0.012	0.011		
Selenium	0.010	ND	ND		
Silver	0.010	ND	ND		
Tin(II)	0.010	ND	ND		

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

Page: **6**  
 Project ID: **70-00302.00**  
 Project Name: **Los Nietos Business Center**

Job Number	Order Date	Client
<b>6929</b>	<b>12/29/1999</b>	<b>CLAYTN</b>

**Method: 6010B/7470A, CCR Title 22 Metals**

Our Lab I.D.		45226	45227		
Sample ID		MW-3	MW-3-FD		
Date Sampled		12/29/1999	12/29/1999		
Date Extracted		01/05/2000	01/05/2000		
Preparation Method					
Date Analyzed		01/05/2000	01/05/2000		
Matrix		Water	Water		
Units		mg/L	mg/L		
Detection Limit Multiplier		1	1		
<b>Analytes</b>	<b>PQL</b>	<b>Results</b>	<b>Results</b>		
ICP Metals					
Vanadium	0.010	ND	ND		
Zinc	0.010	0.012	0.010		

**QUALITY CONTROL REPORT**

Batch No: 0105

Analytes	LCS % REC	LCS/LSD % Limit						
AA Metals								
Mercury	100	80-120						
ICP Metals								
Antimony	82	80-120						
Arsenic	86	80-120						
Barium	87	80-120						
Beryllium	91	80-120						
Cadmium	89	80-120						
Chromium	86	80-120						
Cobalt	96	80-120						
Copper	89	80-120						
Lead	91	80-120						
Molybdenum	86	80-120						
Nickel	92	80-120						
Selenium	90	80-120						
Silver	85	80-120						

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

Page: 7  
Project ID: 70-00302.00  
Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

Method: 6010B/7470A, CCR Title 22 Metals

**QUALITY CONTROL REPORT**

Batch No: 0105

Analytes	LCS % REC	LCS/LCSD % Limit									
ICP Metals											
Thallium	95	80-120									
Vanadium	88	80-120									
Zinc	96	80-120									

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spikes Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

**Ordered By**

Clayton Environmental Consultants  
 1611 S. Harbor Blvd. Suite 260  
 Santa Ana, CA 92704

Telephone: (714)431-4100

Attn: George Wissig

Page: 8

Project ID: 70-00302.00

Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

**Method: 8260, Volatile Organic Compounds**

Param Lab Test	45220	45221	45222	45223	45224
Sample ID	Top Blank	MW-6	MW-5	MW-4	MW-2
Date Sampled	12/29/1999	12/29/1999	12/29/1999	12/29/1999	12/29/1999
Date Extracted	01/06/2000	01/06/2000	01/06/2000	01/06/2000	01/06/2000
Preparation Method					
Date Analyzed	01/06/2000	01/06/2000	01/06/2000	01/06/2000	01/06/2000
Matrix	Water	Water	Water	Water	Water
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limit Multiplier	1	1	1	1	1
Analyte	DL	Results	Results	Results	Results
Benzene	1	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	1	ND	ND	ND	ND
Bromo-chloromethane (Chlorobromomethane)	1	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	1	ND	ND	ND	ND
Bromoform (Tribromomethane)	5	ND	ND	ND	ND
Bromomethane (Methyl bromide)	3	ND	ND	ND	ND
n-Butylbenzene	1	ND	ND	ND	ND
sec-Butylbenzene	1	ND	ND	ND	ND
tet-Butylbenzene	1	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	1	ND	ND	ND	1.2
Chlorobenzene	1	ND	ND	ND	ND
Chloroethane	3	ND	ND	ND	ND
Chloroform (Trichloromethane)	1	ND	ND	ND	7.2
Chloromethane (Methyl chloride)	3	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	1	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	5	ND	ND	ND	ND

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

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Project ID:

70-00302.00

Project Name:

Los Nietos Business Center

Job Number:

6929

Order Date:

12/29/1999

Client:

CLAYTN

Method: 8260, Volatile Organic Compounds

our Job ID	45220	45221	45222	45223	45224
Sample ID	Trip Blank	MW-6	MW-5	MW-4	MW-2
Date Sampled	12/29/1999	12/29/1999	12/29/1999	12/29/1999	12/29/1999
Analyte	PPM	Results	Results	Results	Results
Dibromoethane	1	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	1	ND	ND	ND	ND
Dibromomethane	1	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1	ND	ND	ND	ND
1,4-Dichlorobenzene	1	ND	ND	ND	ND
Dichlorodifluoromethane	3	ND	ND	ND	ND
1,1-Dichloroethane	1	ND	ND	ND	11.4
1,2-Dichloroethane	1	ND	ND	ND	19.8
1,1-Dichloroethylene (1,1-Dichloroethylene)	1	ND	2.0	2.1	3.2
cis-1,2-Dichloroethene	1	ND	ND	ND	3.7
trans-1,2-Dichloroethene	1	ND	ND	ND	ND
1,2-Dichloropropene	1	ND	ND	ND	ND
1,3-Dichloropropene	1	ND	ND	ND	ND
2,2-Dichloropropene	1	ND	ND	ND	ND
1,1-Dichloropropene	1	ND	ND	ND	ND
cis-1,3-Dichloropropene	1	ND	ND	ND	ND
trans-1,3-Dichloropropene	1	ND	ND	ND	ND
Ethylbenzene	1	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3	ND	ND	ND	ND
Isopropylbenzene	1	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	1	ND	ND	ND	ND
MTBE	2	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	5	ND	ND	ND	ND
Naphthalene	1	ND	ND	ND	ND
n-Propylbenzene	1	ND	ND	ND	ND
Styrene	1	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND
Tetrachloroethylene (Tetrachloromethylene)	1	ND	70.3	89.5	11.1
Toluene (Methyl benzene)	1	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1	ND	ND	ND	ND
1,1,1-Trichloroethane	1	ND	ND	ND	ND

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

Page: 10  
 Project ID: 70-00302.00  
 Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

Method: 8260, Volatile Organic Compounds

Sample ID	45220	45221	45222	45223	45224
Date Sampled	12/29/1999	12/29/1999	12/29/1999	12/29/1999	12/29/1999
Sample Type	PPM	Results	ppm	ppm	ppm
1,1,2-Trichloroethane	1	ND	ND	ND	ND
Trichloroethylene (Trichloromethylene)	1	ND	12.9	8.3	12.7
Trichlorofluoromethane	1	ND	ND	ND	ND
1,2,3-Trichloroproppane	1	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1	ND	ND	ND	ND
Vinyl chloride (Chloroethylene)	3	ND	ND	ND	ND
<i>n</i> -Xylene	1	ND	ND	ND	ND
<i>m</i> - & <i>p</i> -Xylenes	2	ND	ND	ND	ND

**QUALITY CONTROL REPORT**

Organic Standard	45220	45221	45222	45223	45224
Conc. (ppm)	ppm	ppm	ppm	ppm	ppm
Recovery Recovery	% Rec.				
Bromofluorobenzene	70-120	105	108	104	109
Dibromofluoromethane	70-120	106	108	108	105
Toluene-d8	70-120	103	102	103	103
	MS DQD	MS DQD	MS RPD	MS RPD	MS RPD
Analyte	% REC				
Benzene	117	116	<1	75-120	15
Chlorobenzene	110	114	3.6	75-120	15
1,1-Dichloroethene (1,1-Dichloroethylene)	118	120	1.7	75-120	15
Toluene (Methyl benzene)	100	120	10.2	75-120	15
Trichloroethane (Trichloromethylene)	118	119	<1	75-120	15

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

**Ordered By**

Clayton Environmental Consulting
3631 S. El Dorado Blvd., Suite 200
Santa Ana, CA 92704

Telephone: (714)431-4100

Attn: George Wissig

Page: 11

Project ID: 70-00302.00

Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

Method: 8260, Volatile Organic Compounds

Our Lab's I.D.	45226	REPORT	
Sample ID	MW-3	MW-3-PD	
Date Sampled	12/29/1999	12/29/1999	
Date Extracted	01/06/2000	01/06/2000	
Preparation Method			
Date Analyzed	01/06/2000	01/06/2000	
Matrix	Water	Water	
Units	ug/L	ug/L	
Detection Limit Multiplier	1	1	
Analyte	PPM	PPM SPOKE	PPM SPOKE D
Benzene	1	ND	ND
Bromoethane (Phenyl bromide)	1	ND	ND
Bromochloromethane (Chlorobromomethane)	1	ND	ND
Bromodichloromethane (Dichlorobromomethane)	1	ND	ND
Bromoform (Tribromomethane)	5	ND	ND
Bromomethane (Methyl bromide)	3	ND	ND
n-Butylbenzene	1	ND	ND
sec-Butylbenzene	1	ND	ND
tert-Butylbenzene	1	ND	ND
Carbon tetrachloride (Tetrachloromethane)	1	ND	ND
Chlorobenzene	1	ND	ND
Chloroethane	3	ND	ND
Chloroform (Trichloromethane)	1	ND	ND
Chloromethane (Methyl chloride)	3	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	1	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	5	ND	ND

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

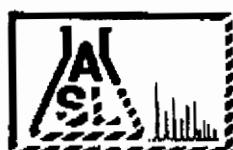
Page: 12  
 Project ID: 70-00302.00  
 Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

Method: 8260, Volatile Organic Compounds

Sample ID	PO#	Results	Results
Dibromoethane	1	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	1	ND	ND
Dibromomethane	1	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1	ND	ND
1,4-Dichlorobenzene	1	ND	ND
Dichlorodifluoromethane	3	ND	ND
1,1-Dichloroethane	1	3.8	3.8
1,2-Dichloroethane	1	ND	ND
1,1-Dichloroethylene (1,1-Dichloroethylene)	1	4.9	4.6
cis-1,2-Dichloroethene	1	ND	ND
trans-1,2-Dichloroethene	1	ND	ND
1,2-Dichloropropene	1	ND	ND
1,3-Dichloropropene	1	ND	ND
2,2-Dichloropropane	1	ND	ND
1,1-Dichloropropene	1	ND	ND
cis-1,3-Dichloropropene	1	ND	ND
trans-1,3-Dichloropropene	1	ND	ND
Ethylbenzene	1	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	3	ND	ND
Isopropylbenzene	1	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	1	ND	ND
MTBE	2	ND	ND
Methylene chloride (Dichloromethane, DCM)	5	ND	ND
Naphthalene	1	ND	ND
n-Propylbenzene	1	ND	ND
Styrene	1	ND	ND
1,1,1,2-Tetrachloroethane	1	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND
Tetrachloroethane (Tetrachloroethylene)	1	2.3	1.9
Toluene (Methyl benzene)	1	ND	ND
1,2,3-Trichlorobenzene	1	ND	ND
1,2,4-Trichlorobenzene	1	ND	ND
1,1,1-Trichloroethane	1	ND	ND

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

Page: 13  
 Project ID: 70-00302.00  
 Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

Method: 8260, Volatile Organic Compounds

Our Job ID-D.	45226	45227	
Sample ID	MW-3	MW-3(D)	
Date Sampled	12/29/1999	12/29/1999	
Anal Type	PCP	Results	Remarks
1,1,2-Trichloroethane	1	ND	ND
Trichloroethene (Trichloroethylene)	1	3.2	3.2
Trichlorofluoromethane	1	ND	ND
1,2,3-Trichloropropane	1	ND	ND
1,2,4-Trimethylbenzene	1	ND	ND
1,3,5-Trimethylbenzene	1	ND	ND
Vinyl chloride (Chloroethene)	3	ND	ND
o-Xylenes	1	ND	ND
m- & p-Xylenes	2	ND	ND

**QUALITY CONTROL REPORT**

Our Job ID-D.	45226	45227	
Anal Type	Gen. Lim	S. Rec.	S. Rec.
Surrogate Percent Recovery			
BromoFluorobenzene	70-120	111	109
DibromoFluoromethane	70-120	115	110
Toluene-d8	70-120	103	104

Analysis	MS	MS DPL	RPD	MS/MSD	MS/SPD		
	% REC	% REC	%	% LimR	% LimR		
Benzene	117	116	<1	75-120	15		
Chlorobenzene	110	114	3.6	75-120	15		
1,1-Dichloroethene (1,1-Dichloroethylene)	118	120	1.7	75-120	15		
Toluene (Methyl benzene)	100	120	10.2	75-120	15		
Trichloroethene (Trichloroethylene)	118	119	<1	75-120	15		

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

**Ordered By**

Canyon Environmental Consultants  
 3611 S. Parker Drive, Suite 200  
 Santa Ana, CA 92705

Telephone: (714)431-4100

Attn: George Wissig

Page: 14

Project ID: 70-00302.00

Project Name: Los Nietos Business Center

Job Number:	Order Date:	Client:
6929	12/29/1999	CLAYTN

**Method: 8260, Volatile Organic Compounds**

Cur. Lab. ID:	SPK	RESULT	UNITS
Sample ID		69225	
Date Sampled		MW-1	
Date Extracted		12/29/1999	
Preparation Method			
Date Analyzed		01/06/2000	
Matrix		Water	
Units		ug/L	
Detection Limit Multiplier		10	
Analytes	SPK	RESULT	UNITS
Benzene	10	ND	
Bromobenzene (Phenyl bromide)	10	ND	
Bromoform (Chlorobromomethane)	10	ND	
Bromodichloromethane ((Dichlorobromomethane)	10	ND	
Bromoform (Tribromomethane)	50	ND	
Bromomethane (Methyl bromide)	30	ND	
n-Butylbenzene	10	ND	
sec-Butylbenzene	10	ND	
tert-Butylbenzene	10	ND	
Carbon tetrachloride (Tetrachloromethane)	10	ND	
Chlorobenzene	10	ND	
Chloroethane	30	ND	
Chloroform (Trichloromethane)	10	12	
Chloromethane (Methyl chloride)	30	ND	
4-Chlorotoluene (p-Chlorotoluene)	10	ND	
2-Chlorotoluene (o-Chlorotoluene)	10	ND	
1,2-Dibromo-3-chloropropane (DBCP)	50	ND	

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

Page: 15  
 Project ID: 70-00302.00  
 Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

**Method: 8260, Volatile Organic Compounds**

Sample ID	Method	Results			
	45220				
Sample ID	MW-1				
Date Sampled	12/29/1999				
Analyte	MS	Results			
Dibromo-chloromethane	10	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	10	ND			
Dibromomethane	10	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	10	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	10	ND			
1,4-Dichlorobenzene	10	ND			
Dichlorodifluoromethane	30	ND			
1,1-Dichloroethane	10	61			
1,2-Dichloroethane	10	ND			
1,1-Dichloroethylene (1,1-Dichloroethylene)	10	1030			
cis-1,2-Dichloroethene	10	12			
trans-1,2-Dichloroethene	10	ND			
1,2-Dichloropropene	10	172			
1,3-Dichloropropane	10	ND			
2,2-Dichloropropane	10	ND			
1,1-Dichloropropene	10	ND			
cis-1,3-Dichloropropene	10	ND			
trans-1,3-Dichloropropene	10	ND			
Ethylbenzene	10	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30	ND			
Isopropylbenzene	10	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	10	ND			
MTBE	20	ND			
Methylene chloride (Dichloromethane, DCM)	50	ND			
Naphthalene	10	ND			
n-Propylbenzene	10	ND			
Styrene	10	ND			
1,1,1,2-Tetrachloroethane	10	ND			
1,1,2,2-Tetrachloroethane	10	ND			
Tetrachloroethene (Tetrachloroethylene)	10	ND			
Toluene (Methyl benzene)	10	ND			
1,2,3-Trichlorobenzene	10	ND			
1,2,4-Trichlorobenzene	10	ND			
1,1,1-Trichloroethane	10	29			

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.



**AMERICAN SCIENTIFIC LABORATORIES, LLC**  
*Environmental Testing Services*

**ANALYTICAL RESULTS**

Page: 16  
 Project ID: 70-00302.00  
 Project Name: Los Nietos Business Center

Job Number	Order Date	Client
6929	12/29/1999	CLAYTN

Method: 8260, Volatile Organic Compounds

Our Job ID	Sample ID	PDI	Results
	MW-1		
Date Sampled		12/29/1999	
Analytes	PDI	Results	
1,1,2-Trichloroethane	10	ND	
Trichloroethane (Trichloroethylene)	10	151	
Trichlorofluoromethane	10	ND	
1,2,3-Trichloropropane	10	ND	
1,2,4-Trimethylbenzene	10	ND	
1,3,5-Trimethylbenzene	10	ND	
Vinyl chloride (Chloroethene)	30	ND	
o-Xylene	10	ND	
m- & p-Xylenes	20	ND	

**QUALITY CONTROL REPORT**

Our Job ID	QC Job ID	QC PDI	QC Results
	4525		
Matrix Spikes	QD-100		
Intercal Percent Recovery			
Bromofluorobenzene	70-120	105	
Dibromofluoromethane	70-120	101	
Toluene-d8	70-120	101	

America	MS REC	MS REC	EPO	MSMS1	MS RPD	MSMS2	MS RPD
Benzene	119	120	<1	75-120	15		
Chlorobenzene	104	108	3.8	75-120	15		
1,1-Dichloroethene (1,1-Dichloroethylene)	110	115	4.4	75-120	15		
Toluene (Methyl benzene)	109	114	4.5	75-120	15		
Trichloroethane (Trichloroethylene)	104	109	4.7	75-120	15		

ND - Not Detected at The Detection Limit. MS - Matrix Spike. MSD - Matrix Spike Duplicate. SM - Sample. SMD - Sample Duplicate.

# Clayton

## ENVIRONMENTAL CONSULTANTS

A DIVISION OF CLAYTON GROUP SERVICES, INC.  
3611 South Harbor Boulevard, Suite 260  
Santa Ana, CA 92704  
Tel (714) 431-4100  
Fax (714) 825-0685

## CHAIN OF CUSTODY RECORD

67C7

Turn Around Time	YES	NO
Rush Authorized?		
Results Delivery:	Phone	Fax
		Hardcopy
		Electronic

PAGE 1 OF 1

PROJECT NUMBER: 70-00302.00		PROJECT NAME: LOS NIETOL BUSINESS CENTER / GW SAMPLE		ANALYSIS REQUESTED									
ND RESULTS AND INVOICE TO:		LAB INFORMATION:		ANALYSIS REQUESTED									
Object Manager: GEORGE W. JONES		Name: AMERICAN SCIENTIFIC		ANALYSIS REQUESTED									
Telephone: 714-431-4100		Address:		ANALYSIS REQUESTED									
Ex: 714-825-0685		Phone/Fax:		ANALYSIS REQUESTED									
Sample	Collection	# of Cont.											
Number	Location	Time	Date	Matrix	Preserv.								
3P BLANK	LOS NIETOL BUSINESS Center	0700	11-29-99	H2O	HCl	2	X	8260	VOCs	CAT	PCB		45220
MW - C		0905		none	none	2	X	6010					"
" "		" "				1	X						45221
MW - 5		1005				2	X						45222
" "		" "				1	X						45223
MW - 4		1020				2	X						45223
" "		" "				1	X						"
MW - 2		1040				2	X						45224
" "		" "				1	X						"
MW - 1		1050				2	X						45225
" "		" "				1	X						"
MW - 3		1110				2	X						45226
" "		" "				1	X						"
MW - 3 - FD						2	X						45227
DAW - 3 - FD						1	X						
TOTAL NO. OF CONTAINERS		TOTAL NO. OF SAMPLES		ANALYSIS REQUESTED									
ITEMS REMOVED		(THESE ARE NOT)		ANALYSIS REQUESTED									

Collected by: (Print): DAVID R. BANDALL	Collector's Signature:
Relinquished by:	Received by:
Relinquished by:	Received by:
Method of Shipment:	Received at Lab by:
Sample Condition Upon Receipt:	<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain):

Distribution:

White = Project Manager

Yellow = Laboratory

Pink = Client

Gold = Project File

\* PLEASE FILTER AND PRESERVE SAMPLE IN LAB.